

Incident #: 170726-0905-SEH
County: Vernon
UTM Reading: 358099.60 E
4199902.72 N
EPE:
Job Code: NJ18ERUE

Environmental Emergency Response Report

Missouri Department Of Natural Resources

SITE HEALTH AND SAFETY PLAN

ALL FIELDS BELOW HERE ON THE FIRST TWO PAGES
MUST BE FILLED OUT PRIOR TO LEAVING THE OFFICE!

GENERAL INFORMATION

MDNR EER On-Scene Coordinator: Carl Harris

Date and time notified: 7.26.2017 1019 hours

Location/Directions: Hudson Road, Rural Vernon County, MO

Incident Description: Release of crude oil. Suspected vandalism

Material(s) Released: crude oil

Estimated Quantity: Unknown

POTENTIAL HAZARDS

Physical State of the Material: ☒ Liquid ☐ Solid ☐ Gas/Vapor

Chemical Characteristics (check all that apply):

<input type="checkbox"/> Carcinogen	<input type="checkbox"/> Biological	<input type="checkbox"/> Corrosive	<input checked="" type="checkbox"/> Combustible
<input type="checkbox"/> Explosive	<input type="checkbox"/> Flammable	<input type="checkbox"/> Volatile	<input type="checkbox"/> Poison
<input type="checkbox"/> Radioactive	<input type="checkbox"/> Reactive	<input type="checkbox"/> Other:	

Physical Hazards (check all that apply):

<input type="checkbox"/> Overhead	<input type="checkbox"/> Below Grade	<input type="checkbox"/> Confined Space*	<input type="checkbox"/> Noise
<input type="checkbox"/> Splash	<input type="checkbox"/> Fire/Burn	<input type="checkbox"/> Puncture	<input type="checkbox"/> Heat Stress
<input type="checkbox"/> Cut	<input checked="" type="checkbox"/> Slip/Trip/Fall	<input type="checkbox"/> Cold Stress	<input type="checkbox"/> Electrical
<input type="checkbox"/> Water Hazards	<input checked="" type="checkbox"/> Mechanical/Heavy Equipment		
<input type="checkbox"/> Traffic	<input type="checkbox"/> Other:		

*** Reminder: ESP Staff does not do confined space entries!!**

Anticipated Site Monitoring:

<input type="checkbox"/> Multigas meter	<input type="checkbox"/> PID	<input type="checkbox"/> Radiation meter	<input type="checkbox"/> Jerome meter
<input type="checkbox"/> APD 2000	<input type="checkbox"/> HazmatID	<input type="checkbox"/> Other:	<input type="checkbox"/> Water Quality

Anticipated PPE Level Needed:

☐ A

☐ B

☐ C

☒ D

REMINDERS

The following action levels should be used to determine when a site should be evacuated and site conditions reevaluated. These action levels are based on a combination of site conditions and the personal protective equipment used by the responder.

PPE Level	Evacuate and reevaluate site conditions when:
D (TLD, hard hat, eye protection and work boots)	O ₂ Concentration <19.5% or >25%, or Explosive atmosphere >10% LEL, or Organic vapors > background, or Radiation >500 mR/hr
C (TLD, APR, protective clothing, gloves, hard hat, work boots)	O ₂ Concentration <19.5% or >25%, or Explosive atmosphere >10% LEL, or Unknown organic vapors in breathing zone > background, or Radiation >500 mR/hr
B (TLD, SCBA, protective clothing, gloves, hard hat, chemical resistant boots)	Explosive atmosphere >10% LEL, or Signs or symptoms of exposure occur (itching, burning or tingling skin), or Radiation >500 mR/hr
A (TLD, SCBA, fully-encapsulated suit, chemical-resistant gloves and boots)	Level A entry requires approval from duty officer and supervisor and will be considered on a case-by-case basis.

The levels provided in the above table are guidelines only. Refer to the NIOSH guide, Suit Smart and other references when selecting appropriate PPE.

Anticipated Personnel Decontamination Procedures: Soap and water hand wash boots

Nearest Hospital (address) and Phone Number:

*Note: Call the Worker's Comp toll free number (800-624-2354) before you seek medical care! Call the nearest Missouri State Highway Patrol troop at *55 as needed.*

NEVADA REGIONAL MEDICAL CENTER, 800 SOUTH ASH STREET, NEVADA, MO 64772

Health and Safety Comments: NONE

FIELD REPORT

To be Completed During and After Field Response Work

ESP-EER ARRIVAL ON SCENE

Date: **7.31.2017**

Time: **1100** hours

WEATHER CONDITIONS

☒ Clear

☐ Rain

☐ Snow

☐ Ice

☐ Cloudy/Overcast

☐ Fog

☐ High Wind

☐ Electrical Storm

☐ Other:

Estimated Temperature: **84** Degrees F°

Wind Direction: **W**

RESPONSIBLE PARTY INFORMATION

Responsible Party: **Running Foxes Petroleum**

Contact: **John Michels**

Address: **1690 155th Street**

City: **Fort Scott**

State: **KS**

Zip: **66701**

Phone: **620-305-8256**

MDNR CONTRACTOR INFORMATION

MDNR Contractor on site: ☐ yes ☒ no

If yes, please list the Project Manager's Name:

And company: ☐ Environmental Restoration
☐ Environmental Works

☐ Sunbelt Environmental
☐ Other:

AGENCIES ON SCENE

Fire/HAZMAT

Name/Agency: Address

Phone: :

Name/Agency: Address

Phone: :

Law Enforcement

Name/Agency: Address

Phone: :

Other

Name/Agency: **William Wallis/Bourbon County EM** Address **210 South National, Fort Scott, KS 66701**

Phone: **620-223-3800**

Name/Agency: **Renee Brown/KDHE** Address **308 West 14th Street, Chanute, KS 66720**

Phone: :

Name/Agency: Address

Phone: :

EER CLEAN UP ACTIONS:

PPE Worn by ESP-EER: Safety boots, glasses

Safety Perimeter Established: ☐ Yes ☒ No

Free Product Recovery: ☒ Yes ☐ No Amount (specify units):

Soil Clean Up Levels Used (Check all that apply):

- ☒ Sight and smell
- ☐ Negotiated
- ☐ Other
- ☐ Not Applicable

Water Clean Up Levels Used:

**** Important: Coordinate with WPSCD-WPP ****

- ☒ Free product recovery/absorbent
- ☐ Water Quality Standards
- ☐ Drinking Water Standards
- ☐ Negotiated
- ☐ Not Applicable

Final Incident Information

Location: Corner of Hudson road and Soldier Road

Incident Description: Crude oil release from containment

Material(s) Released: Crude oil

Final Quantity Released: Unknown

Cleanup Action Comments:

SAMPLING/DOCUMENTATION

**** Attach copy of all that apply ****

	Yes	No
Samples collected by EER staff?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of custody attached?	<input type="checkbox"/>	<input type="checkbox"/>
Sample results attached?	<input type="checkbox"/>	<input type="checkbox"/>
Photographs taken by EER staff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hazardous Substance Emergency Declaration	<input type="checkbox"/>	<input checked="" type="checkbox"/>
EER Contractor daily log sheets	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Shipping papers (bill of lading/waybill)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Safety Data Sheets	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Business Cards	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Site map(s) (required)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other Documents, list	<input type="checkbox"/>	<input checked="" type="checkbox"/>

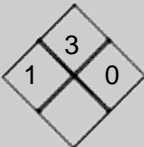
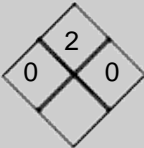
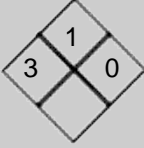
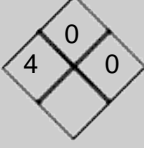
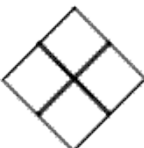

REPORT DISTRIBUTION

- ☒ Original to ESP EER Incident File (**Required**)
- ☒ Copy to Regional Director (**Required**)
- ☒ DEQ - HWP
- ☐ DEQ - HWP Tanks
- ☒ DEQ - WPP-WPB
- ☐ DEQ - WPP- PDWB
- ☐ DEQ - APCP
- ☐ DEQ - SWMP
- ☐ Division Management (list):
- ☐ DNR - Criminal Investigation
- ☐ DNR Other (list):

Other Federal or State Agencies: *Provide mailing or e-mail address*

- ☐ EPA
- ☐ OSHA
- ☐ USCG
- ☐ OPS
- ☐ Other Federal
- ☐ Ag (Weights and Measure)
- ☐ SEMA
- ☐ MDC
- ☐ DPS
- ☐ MODOT
- ☐ DHSS
- ☐ LEPC
- ☐ Local Fire/Police
- ☐ Homeland Security
- ☐ PSTIF (Dan Henry)
- ☐ Other

MATERIAL INFORMATION (Orange Guidebook, NIOSH Guide, Other References)

Common Name & Placards	NFPA	IDLH (Immediate) TLV-TWA (8 hr) STEL (<15 min)	Chemical & Physical Properties	Incompatibilities and Reactivities	Water Soluble?	Water Reactive ?	Exposure Routes
Gasoline Placard: Flammable UN ID #: 1203		IDLH: Not Available TLV: 300 ppm STEL: Not Available	Fl. Pt.: -36°F VP: 38-300 mm Sp. Gr.: 0.7321 Flamm: Flammable Natural State: liquid LEL: 1.4% UEL: 7.4%	Strong oxidizers such as peroxides, nitric acid, and perchlorates	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Inhalation Absorption Ingestion Contact
Diesel (Fuel Oil #2) Placard: Combustible UN ID #: 1993		IDLH: Not Available TLV: Not Available STEL: Not Available	Fl. Pt.: 136°F VP: 2.6 mm Sp. Gr.: 0.879 Flamm: Combustible Natural State: liquid LEL: 1.3% UEL: 6.0%	Not Available	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Inhalation Ingestion
Anhydrous ammonia Placard: Compressed gas, toxic UN ID #: 1005		IDLH: 300 ppm TLV: 25 ppm STEL: 35 ppm	Fl. Pt.: NA VP: <0.000008 mm RgasD - .60 Flamm: Flammable Natural State: gas LEL: NA % UEL: NA %	Strong oxidizers, acids, halogens, salts of silver and zinc (corrosive to copper and galvanized surfaces)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Inhalation Ingestion (solution) Contact (solution/liquid)
Mercury Placard: Corrosive UN ID #: 2809		IDLH: 10 mg/m³ TLV: 0.025 mg/m³ STEL: None	Fl. Pt.: NA °F VP: 0.0012 mm Sp. Gr.: 13.6 Flamm: Nonflammable Natural State: Liquid LEL: NA % UEL: NA %	Acetylene, ammonia, chlorine dioxide, azides, calcium (amalgam formation), sodium carbide, lithium, rubidium, copper	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Inhalation Absorption Ingestion Contact
Placard: UN ID #:		IDLH: TLV: ppm STEL:	Fl. Pt.: °F VP: mm Sp. Gr.: Flamm: Natural State: LEL: % UEL: %		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Placard: UN ID #:		IDLH: TLV: ppm STEL:	Fl. Pt.: °F VP: mm Sp. Gr.: Flamm: Natural State: LEL: % UEL: %		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

ALTERNATIVELY, ATTACH SAFETY DATA SHEETS BELOW AND ENTER THE MATERIAL NAME WITH “SEE ATTACHED PAGES”

INCIDENT SUMMARY

Brief statement on final outcome of EER incident:

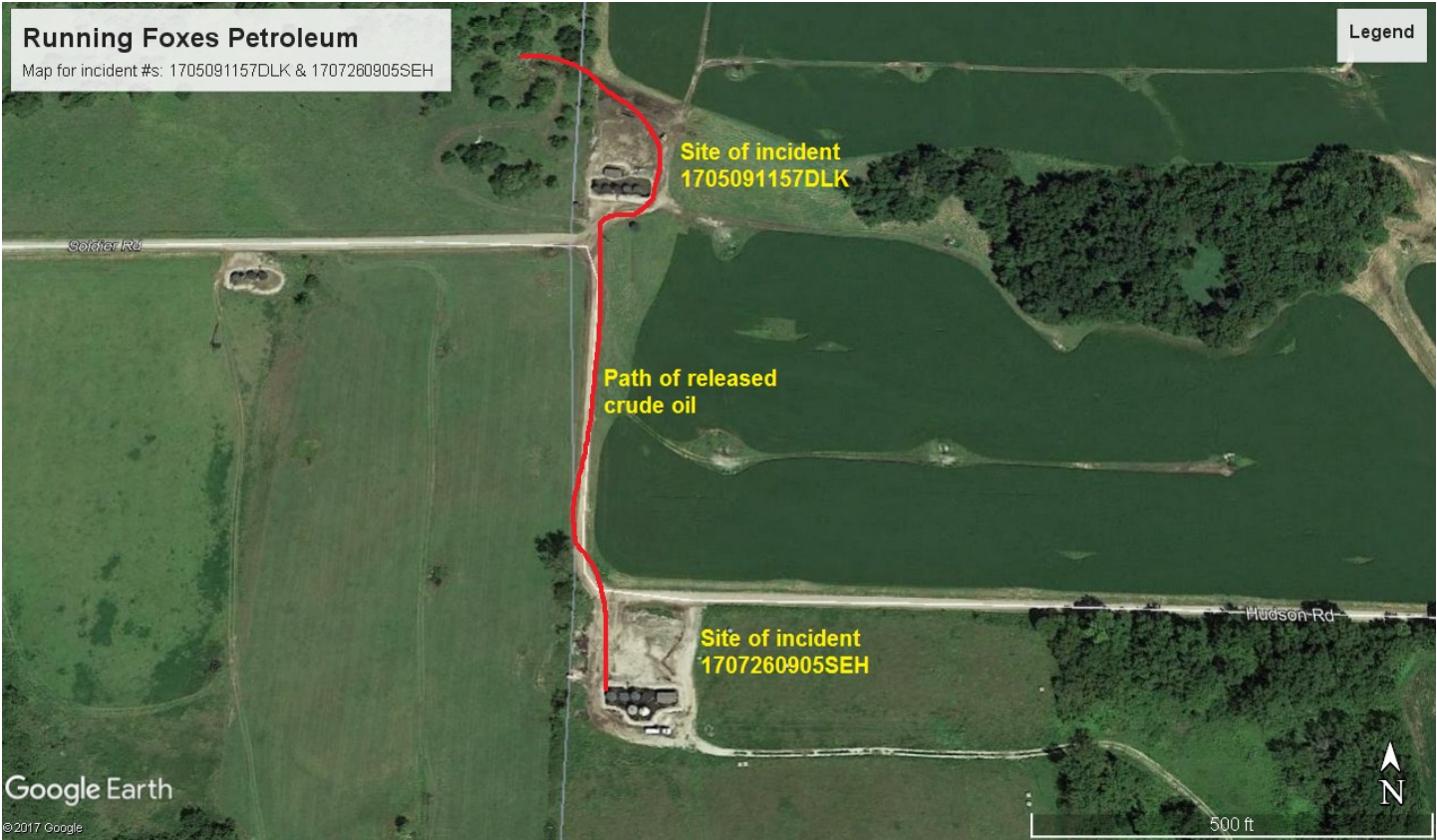
A release in May 2017 (1705091157DLK) occurred at the Emmerson Lease site due to failure of a soil berm containment around a crude oil storage facility. On July 26, 2017 before a cleanup had been fully completed a release occurred due to apparent vandalism at the North Stoner Lease, another crude oil storage facility that ran down a county road and onto the Emmerson site. See attached EPA report.

The RP remediated the areas including private property across the state border in Kansas immediately to the west of the Emmerson site.

Carl M. Harris
Responder

05.16.2018
Date

SITE MAP



The background image shows an industrial site with several large, dark-colored storage tanks and a small building. In the foreground, there is a large, dark, irregularly shaped pool of liquid, likely petroleum, that has spilled onto the ground. The spill is surrounded by green grass and some weeds. The sky is overcast.

Running Foxes Petroleum – North Stoner Lease Spill

Vernon County, MO
July 26, 2017





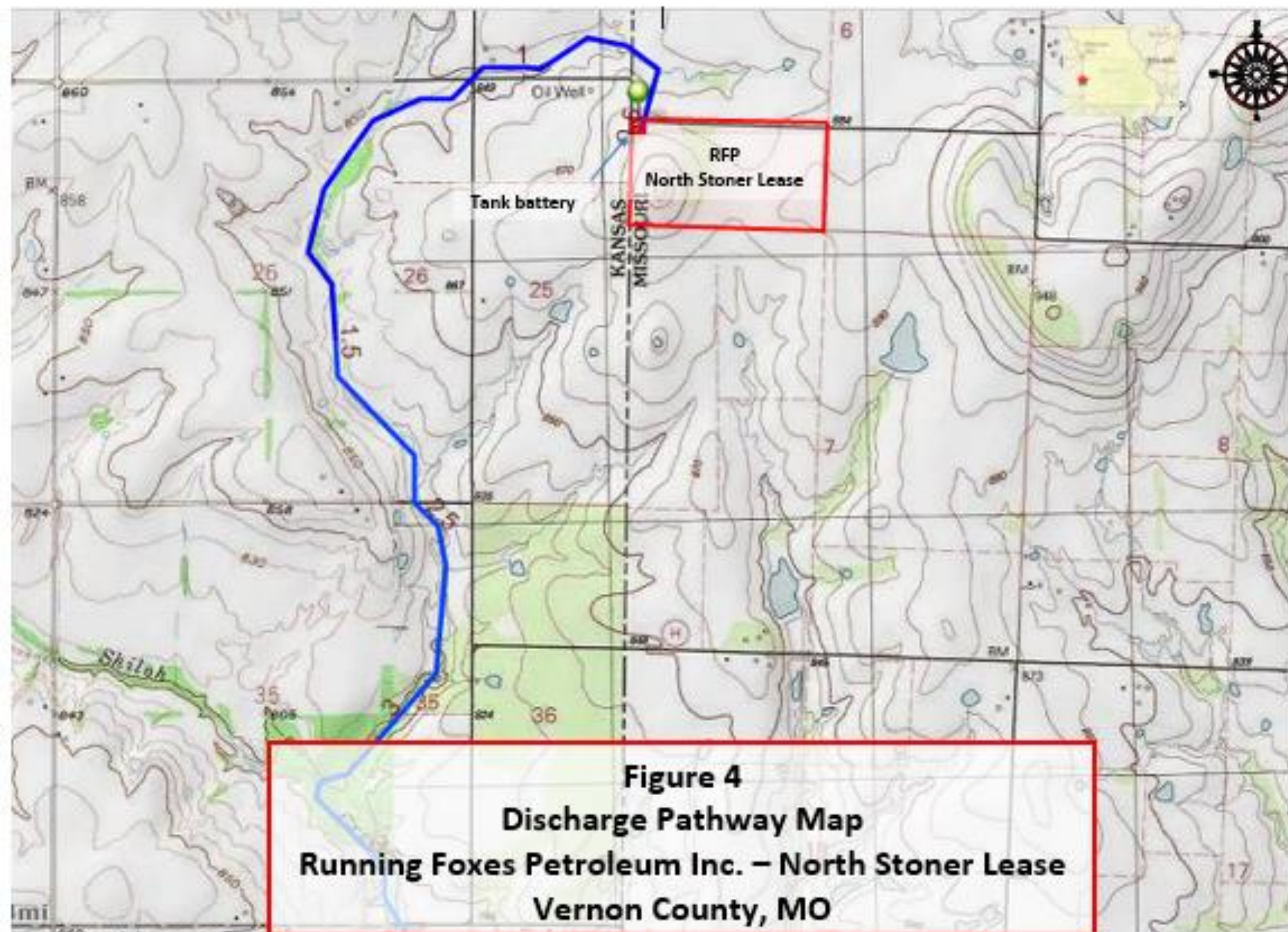
Unnamed (relatively permanent) tributary to Shiloh Creek

Emmerson Lease

Path of oil discharge and footprint of residual surface oil contamination

North Stoner Lease

Soldier Rd





Released oil overtopped the North stoner Lease containment berm at three locations



The SPCC plan claims the North Stoner Lease berm is 30 inches high.



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PVC pipes that manifolded crude oil tanks together were reportedly vandalized and broken resulting in a release of crude oil and salt water into secondary containment.



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Path of released oil down 100 Rd towards the Emmerson Lease.



Path of released oil down 100 Rd towards the Emmerson Lease.




Path of released oil down 100 Rd towards the Emmerson Lease.




Path of released oil down around the Emmerson Lease tank battery.




Path of released oil down around the Emmerson Lease tank battery into the unnamed tributary to Shiloh Creek.



Path of released oil down around the Emmerson Lease tank battery
into the unnamed tributary to Shiloh Creek.



Path of released oil down around the Emmerson Lease tank battery
into the unnamed tributary to Shiloh Creek.

A photograph showing a dark, narrow path of oil running through a field of tall green grass. The path starts in the lower right and leads towards the center of the image. In the background, there is a line of trees under a clear sky. A text box is overlaid at the bottom of the image.

Path of released oil down around the Emmerson Lease tank battery
into the unnamed tributary to Shiloh Creek.



Path of released oil down around the Emmerson Lease tank battery into the unnamed tributary to Shiloh Creek.



Path of released oil down around the Emmerson Lease tank battery into the unnamed tributary to Shiloh Creek.



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Path of released oil down around the Emerson Lease tank battery into the unnamed tributary to Shiloh Creek.



The Emmerson Lease – not involved in the release – has unaddressed SPCC issues.



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